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(FILE 'HOME' ENTERED AT 14:35:42 ON 05 JUL 2005)

FILE 'BIOSIS, CAPLUS, EMBASE, MEDLINE, CANCERLIT, JAPIO' ENTERED AT 14:36:07 ON 05 JUL 2005

L1	10033	S	(FATTY ACID BINDING PROTEIN)
L2	2295890	S	LIVER?
L3	3280	S	L1 AND LIVER?
L4	596	S	L3 AND HEART?
L5	130	S	L4 AND KIDNEY?
L6	58		DUPLICATE REMOVE L5 (72 DUPLICATES REMOVED)
L7	3	S	L6 AND REVIEW?

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L2 2295890 S LIVER?
L3 3280 S L1 AND LIVER?
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L5 130 S L4 AND KIDNEY?
L6 58 DUPLICATE REMOVE L5 (72 DUPLICATES REMOVED)
L7 3 S L6 AND REVIEW?

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ANSWER 2 OF 3 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 1991:144028 BIOSIS
DN PREV199140063633; BR40:63633
TI STRUCTURAL AND FUNCTIONAL FEATURES OF DIFFERENT TYPES OF CYTOPLASMIC **FATTY ACID-BINDING PROTEINS**.
AU VEERKAMP J H [Reprint author]; PEETERS R A; MAATMAN R G H J
CS DEP BIOCHEM, UNIV NIGMEGEN, PO BOX 9101, 6500 HB NIJMEGEN, NETH
SO Biochimica et Biophysica Acta, (1991) Vol. 1081, No. 1, pp. 1-24.
CODEN: BBACAQ. ISSN: 0006-3002.
DT Article
FS BR
LA ENGLISH
ED Entered STN: 23 Mar 1991
Last Updated on STN: 23 Mar 1991
CC Cytology - Animal 02506
Comparative biochemistry 10010
Biochemistry studies - Proteins, peptides and amino acids 10064
Biochemistry studies - Lipids 10066
Biophysics - Molecular properties and macromolecules 10506
Digestive system - Physiology and biochemistry 14004
Cardiovascular system - Physiology and biochemistry 14504
Urinary system - Physiology and biochemistry 15504
Muscle - Physiology and biochemistry 17504
Bones, joints, fasciae, connective and adipose tissue - Physiology and biochemistry 18004
Development and Embryology - Morphogenesis 25508
IT Major Concepts
Biochemistry and Molecular Biophysics; Cardiovascular System (Transport and Circulation); Cell Biology; Development; Digestive System (Ingestion and Assimilation); Muscular System (Movement and Support); Skeletal System (Movement and Support); Urinary System (Chemical Coordination and Homeostasis)
IT Miscellaneous Descriptors
REVIEW HUMAN RAT MOUSE CATTLE RABBIT PIG RETINOL MYELIN P2 TISSUE-SPECIFIC EXPRESSION DIFFERENTIATION **LIVER** **HEART** MUSCLE **KIDNEY** ADIPOCYTE
ORGN Classifier
Bovidae 85715
Super Taxa
Artiodactyla; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Artiodactyls, Chordates, Mammals, Nonhuman Vertebrates, Nonhuman Mammals, Vertebrates
ORGN Classifier
Suidae 85740
Super Taxa
Artiodactyla; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Artiodactyls, Chordates, Mammals, Nonhuman Vertebrates, Nonhuman Mammals, Vertebrates
ORGN Classifier
Leporidae 86040
Super Taxa
Lagomorpha; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Chordates, Lagomorphs, Mammals, Nonhuman Vertebrates, Nonhuman Mammals, Vertebrates
ORGN Classifier
Hominidae 86215
Super Taxa
Primates; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Chordates, Humans, Mammals, Primates, Vertebrates

ORGN Classifier
Muridae 86375
Super Taxa
Rodentia; Mammalia; Vertebrata; Chordata; Animalia
Taxa Notes
Animals, Chordates, Mammals, Nonhuman Vertebrates, Nonhuman Mammals, Rodents, Vertebrates
RN 68-26-8 (RETINOL)

ANSWER 1 OF 3 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2005:165847 BIOSIS
DN PREV200500165041
TI **Fatty acid-binding proteins** as plasma markers of tissue injury.
AU Pelsers, Maurice M. A. L. [Reprint Author]; Hermens, Wim T.; Glatz, Jan F. C.
CS CARIMDept Mol Genet, Maastricht Univ, POB 616, NL-6200 MD, Maastricht, Netherlands
maurice.pelsers@gen.unimaas.nl
SO Clinica Chimica Acta, (February 2005) Vol. 352, No. 1-2, pp. 15-35. print.
ISSN: 0009-8981 (ISSN print).
DT Article
General Review; (Literature Review)
LA English
ED Entered STN: 27 Apr 2005
Last Updated on STN: 27 Apr 2005
AB Background: One of the novel and promising plasma markers for detection of tissue injury is the family of 15 kDa cytoplasmic **fatty acid-binding proteins** of which various tissue-specific types occur. Aims and Objectives: The present status of **heart**-type **fatty acid-binding protein** (H-FABP) as a diagnostic and prognostic marker for acute and chronic cardiac injury, as well as the preliminary diagnostic use of other types of FABP for detecting injury in other organs, is **reviewed**. Methods: This **review** is based on an overview of the literature on clinical diagnostics of various forms of organ injury, and uses additional literature on physiological aspects relevant for the interpretation of plasma marker concentrations. Results: H-FABP not only proves to be an excellent early marker for cardiac injury in acute coronary syndromes, but also allows detection of minor myocardial injury in **heart** failure and unstable angina. Preliminary results indicate that sensitivity, rule-out power and prognostic value of H-FABP in cardiac injury surpass the performance of the standard early marker myoglobin. The **liver** only contains **liver**-type FABP (L-FABP), but co-expression of H-FABP and L-FABP occurs in the **kidney**. Similarly, intestinal-type FABP (I-FABP) and L-FABP are found in intestines, and brain-type FABP (B-FABP) and H-FABP occur in the brain. Preliminary but promising applications of these proteins have been demonstrated for **liver** rejection, viability selection of **kidneys** from non-**heart**-beating donors (NHBD), inflammatory and ischemic bowel disease, traumatic brain injury and in the prevention of muscle injury in trained athletes. Conclusions: Further study of the diagnostic and prognostic use of various FABP types is warranted, but their clinical application will require further commercialization of automated and rapid assays.
CC Clinical biochemistry - General methods and applications 10006
Biochemistry studies - Proteins, peptides and amino acids 10064
Biochemistry studies - Porphyrins and bile pigments 10065
Pathology - Diagnostic 12504
Digestive system - Physiology and biochemistry 14004
Digestive system - Pathology 14006
Cardiovascular system - Physiology and biochemistry 14504
Cardiovascular system - Heart pathology 14506
Cardiovascular system - Blood vessel pathology 14508
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Blood - Blood cell studies 15004
Urinary system - Physiology and biochemistry 15504
Muscle - Physiology and biochemistry 17504
Muscle - Pathology 17506
Bones, joints, fasciae, connective and adipose tissue - Pathology 18006
Nervous system - Physiology and biochemistry 20504

Nervous system - Pathology 20506
Gerontology 24500
Pediatrics 25000

IT Major Concepts
Cardiovascular Medicine (Human Medicine, Medical Sciences); Clinical Chemistry (Allied Medical Sciences); Gastroenterology (Human Medicine, Medical Sciences); Neurology (Human Medicine, Medical Sciences); Orthopedics (Human Medicine, Medical Sciences)

IT Parts, Structures, & Systems of Organisms
brain: nervous system; cytoplasm; **heart**: circulatory system; **kidney**: excretory system; **liver**: digestive system; myocardium: circulatory system, muscular system; plasma: blood and lymphatics; serum: blood and lymphatics; skeletal muscle: muscular system; small intestine: digestive system; urine: excretory system; whole blood: blood and lymphatics

IT Diseases
congestive **heart** failure: **heart** disease, diagnosis
Heart Failure, Congestive (MeSH)

IT Diseases
intestinal injury: digestive system disease, injury, diagnosis

IT Diseases
ischemic bowel disease: digestive system disease, vascular disease, diagnosis

IT Diseases
liver injury: digestive system disease, injury, diagnosis

IT Diseases
myocardial infarction: **heart** disease, vascular disease, diagnosis
Myocardial Infarction (MeSH)

IT Diseases
skeletal muscle injury: injury, muscle disease, diagnosis, prevention and control

IT Diseases
traumatic brain injury: injury, nervous system disease, diagnosis
Brain Injuries (MeSH)

IT Diseases
unstable angina: **heart** disease, vascular disease, diagnosis
Angina, Unstable (MeSH)

IT Chemicals & Biochemicals
fatty-acid binding protein;
myoglobin

ORGN Classifier
Hominidae 86215

Super Taxa
Primates; Mammalia; Vertebrata; Chordata; Animalia

Organism Name
human (common): adolescent, adult, aged, aged/80 and over, child, infant, middle age, preadolescent child, female, male

Taxa Notes
Animals, Chordates, Humans, Mammals, Primates, Vertebrates

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Super Taxa
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DN PREV200500165041

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AU Pelsers, Maurice M. A. L. [Reprint Author]; Hermens, Wim T.; Glatz, Jan F. C.

CS CARIMDept Mol Genet, Maastricht Univ, POB 616, NL-6200 MD, Maastricht, Netherlands
maurice.pelsers@gen.unimaas.nl

SO Clinica Chimica Acta, (February 2005) Vol. 352, No. 1-2, pp. 15-35. print.
ISSN: 0009-8981 (ISSN print).

Pulled WCook 7/1/05

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LA English

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IT Diseases
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Myocardial Infarction (MeSH)

IT Diseases
skeletal muscle injury: injury, muscle disease, diagnosis, prevention and control

IT Diseases
traumatic brain injury: injury, nervous system disease, diagnosis
Brain Injuries (MeSH)

IT Diseases
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